Frontend technologies used in our case

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*SPA = **Single-Page Application**, Only one web page downloaded from the Web Server, but then with JS & AJAX that single page's DOM updated constantly. Showing/hiding certain Views so that it looks like we would have several Pages*

React: SPA component library

- renders the output page (HTML+CSS+JS) DOM from 1) your Page template code (React Components inside React components) AND 2) the data provide by AJAX

React routing: SPA front-end routing between the Views (~like "going" to different page)

- though really just showing and hiding React Views
- we can also send parameter data while going to another View, e.g. id:s

Redux: Front-end side (=in browser memory) State management.

- part of the data model temporarily kept in browser memory (in Redux store/state)
- update frequency depends on the nature of the data (colors maybe not before next login, messages maybe polled/refreshed a lot more often)
- many components can share the same data

React-Redux: React components will be data- and event-bound to Redux store.

- actions dispatched to Redux code.
- redux store state bound to the React state of the components

React-Material-UI: Material-UI styled React components that share common theme and styles

  - Those React components need to also be 1) Redux-connected and 2) React-routed!